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APPLICANT: Jason Shepherd, et al.

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### REFERENCE DESIGNATION

Ex'r Init	Document No.	Date	U.S. Patent Documents Name	Sub Class	Class	File Date
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### OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- meH IBA ✓ Benzley et al., "A Comparison of All-Hexahedral and All-Tetrahedral Finite Element Meshes for Elastic and Elasto-Plastic Analysis," *Proceedings 4<sup>th</sup> International Meshing Roundtable, Sandia National Laboratories* 95, pp. 179-191 (October 1995)
- meH IBB ✓ Cifuentes and Kalbag, "A Performance Study of Tetrahedral and Hexahedral Elements in 3-D Finite Element Structural Analysis," *Finite Elements in Analysis and Design*, Vol. 12, pp. 313-318 (1992)
- meH IBC ✓ Mitchell, "A Characterization of the Quadrilateral Meshes of a Surface Which Admit a Compatible Hexahedral Mesh of the Enclosed Volume," *Proceedings, 13<sup>th</sup> Annual Symposium on Theoretical Aspects of Computer Science (STACS '96), Lecture Notes in Computer Science 1046*, Springer, pp. 465-476 (1996)
- meH IBD ✓ Staten et al., "BMSweep: Locating Interior Nodes During Sweeping," *Proceedings 7<sup>th</sup> International Meshing Roundtable* 98, pp. 7-18 (October 1998);
- meH IBE ✓ Blacker, "The Cooper Tool," *Proceedings 5<sup>th</sup> International Meshing Roundtable* 96, pp. 13-29 (October 1996)
- meH IBF ✓ Mingwu and Benzley, "A Multiple Source and Target Sweeping Method for Generating All Hexahedral Finite Element Meshes" *Proceedings, 5<sup>th</sup> International Meshing Roundtable* 96, pp. 217-225 (October 1996)
- meH IBG ✓ White, "Automatic, Quadrilateral and Hexahedral Meshing of Pseudo-Cartesian Geometries using Virtual Decomposition," *Master's Thesis, Brigham Young University* (August 1996)
- meH IBH ✓ Tautges et al., "The Whisker Weaving Algorithm: A Connectivity-based Method for Constructing All-hexahedral Finite Element Meshes," *International Journal for Numerical Methods in Engineering*, Vol. 39, pp. 3328-3349 (1996)
- meH IBI ✓ Canann, "Plastering: A New Approach to Automated, 3-D Hexahedral Mesh Generation," *American Institute of Aeronautics and Astronautics*, (1992)

MCH<sup>IBJ</sup>

| Meyers et al., "The "Hex-Tet" Hex-Dominant Meshing Algorithm as Implemented in CUBIT;" *Proceedings 7<sup>th</sup> International Meshing Roundtable* 98, pp. 151-158, (October 1998)

MCH<sup>IBK</sup>

| Murdoch and Benzley, "The Spatial Twist Continuum", *Proceedings, 4<sup>th</sup> International Meshing Roundtable* 95, pp. 243-251 (October 1995)

MCH<sup>IBL</sup>

| Mitchell and Tautges, "Pillowing Doublets: Refining a mesh to ensure that faces share at most one edge" on the web at [endo.sandia.gov/~samitch/pillowing-doublets.pdf](http://endo.sandia.gov/~samitch/pillowing-doublets.pdf),

Mary C. Hogan 7/29/04